

Listing of Claims

The following listing of claims is intended to supersede all previously filed listings of claims. Changes are shown with deletions in ~~strikethrough~~ and additions underlined. Kindly enter the following amendments to the claims:

Claim 1 (Currently Amended). A conveyor system comprising:

a link assembly, said link assembly comprising:

a first pin (18);

a first link block (11) carrying having a ~~the~~ first pin [[(18)]] at one end thereof;

said first link block having a second pin at another end thereof, said second pin being parallel to said first pin;

a first offset bushing (17) on the ~~coupled to the~~ first pin (18); and

a second link block (11) carrying ~~coupled to~~ the first offset bushing [[(17)]], the second link block [[(11)]] movable with respect to the first link block [[(11)]] upon rotation of the first offset bushing [[(17)]] with respect to the second link block (11).

Claim 2 (Currently Amended). The system as claimed in claim 1 further comprising:

a plurality of pins [[(18)]]; and

a plurality of offset bushings [[(17)]] on ~~coupled to~~ the plurality of pins (18);

a plurality of link blocks [[(11)]], each carrying ~~an~~ coupled to one of said offset bushings [[(17)]] at one end and carrying coupled to one of said pins a pin (18) at ~~the other~~ another end; the first link block [[(11)]] connected to one of the plurality of link blocks [[(11)]] by carrying one of the first pin, the second pin, and the plurality of pins [[(18)]]; and

the second link block [[(11)]] connected to one of the plurality of link blocks [[(11)]] by

~~carrying the one of the plurality of the first pin, the second pin, and the plurality of offset bushings [[(17)]] to form at least one of a two dimensional curve chain assembly, a three dimensional curve chain assembly, and a combination thereof, said one of the plurality of the plurality of offset bushings allowing tensioning control of the conveyor system.~~

Claim 3 (Currently Amended). The system as claimed in claim 2 wherein:

the first offset bushing [[(17)]] has a conical surface provided therein; and
the first pin [[(18)]] has a conical surface provided thereon for engaging with the conical surface to move the first link block [[(11)]] relative to the second link block (11).

Claim 4 (Currently Amended). The system as claimed in claim 1 further comprising:

a spherical ball bushing [[(25)]] ~~on~~ coupled to the first pin (18); and
the first offset bushing [[(17)]] having a spherical opening associated therewith for ~~carrying coupling to~~ the spherical ball bushing [[(25)]] for multi-directional movement of the first link block (11) relative to the second link block [[(11)]].

Claim 5 (Currently Amended). The system as claimed in claim 1 further comprising:

bushings (19,20) in the second link block [[(11)]] for supporting the first pin (18);
a spherical ball bushing [[(25)]] ~~on~~ coupled to the first pin [[(18)]];
and
the first offset bushing [[(24)]] having a spherical opening provided therein for ~~carrying coupling to~~ the spherical ball bushing [[(25)]] for multi-directional movement of the first link block [[(11)]] relative to the second link block [[(11)]].

Claim 6 (Currently Amended). The system as claimed in claim 1 further comprising:

a spherical ball bushing [[(25)]] ~~or coupled to~~ the first pin (18); and
the first offset bushing [[(24)]] having a spherical opening provided therein, the first
offset bushing [[(24)]] ~~not~~ requiring ~~no~~ lubrication for movement of the spherical ball bushing
[[(25)]] or for movement ~~in~~ with respect to the second link block [[(11)]].

Claim 7 (Currently Amended). The system is claimed in claim 1 further comprising:

a guide wheel [[(10)]] ~~or associated with~~ the first pin (18) and
a raceway [[(6)]] for guiding the guide wheel [[(10)]] in movement of at least two
dimensional, three dimensional, and a combination of two and three dimensional directions.

Claim 8 (Currently Amended). The system as claimed in claim 1 further comprising:

a slat [[(4)]]; and
connectors for connecting the slat (4) to the first link block [[(11)]] in a fixed position
relative thereto.

Claim 9 (Currently Amended). The system as claimed in claim 1 further comprising:

a slat [[(4)]];
a slat support member [[(3)]] having a wheel (8) ~~provided thereon~~;
connectors for connecting the slat [[(4)]] to the slat support member [[(3)]] and to the first
link block [[(11)]]; and
a raceway [[(6)]] for guiding the wheel (8) ~~in~~ movement in one of at least two
dimensional, three dimensional, and a combination of two and three dimensional directions.

Claim 10 (Previously Presented). The system as claimed in claim 1 further comprising:

a slat [[(4)]];